

Appln No. 10/675,227
Amdt date December 7, 2007
Reply to Office action of August 9, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A press-fit terminal ~~comprising:~~
~~a press-fit section press fitted into and held by a through hole provided on a wiring board, the press-fit section comprising:~~ press-fitted in a direction of a terminal axis into a through-hole provided on a wiring board, the press-fit terminal comprising:
a body part having a smallest cross section; a pressure retaining part; an introducing part having a smallest cross section; and a forward end part having a smallest cross section, the body part, the pressure retaining part, the introducing part, and the forward end part being formed into an integrated body, wherein the smallest cross section of the body part is larger than the smallest cross section of the introducing part and the smallest cross section the forward end, wherein
an elongated aperture having a hexagonal shape extending in the terminal axis is formed at a center of the pressure retaining part, a portion of the introducing part, and a portion of the body part, wherein
[[a]]said pressure retaining part configured to exert a first elastic force for holding the press-fit section-terminal when the press-fit terminal is press-fitted into the through-hole[[;]], and wherein
[[an]]said introducing part configured to exert a second elastic force having a second intensity lower than a first intensity of the first elastic force; and
an aperture extending in an axial direction of the press fit section and formed in the pressure retaining part and the introducing part, wherein a cross-sectional area of said introducing part is smaller than that of said pressure retaining part, when said press-fit terminal is being pressed into the through-hole.
2. (Currently Amended) An electronic equipment comprising:

a wiring board having a through-hole; and a press-fit terminal press-fitted into and held by the through-hole in a direction of a terminal axis, wherein

the press-fit terminal ~~includes a press-fit section~~ comprising: a body part, a pressure retaining part, and introducing part and a forward end part, which are formed into an integrated body, wherein a smallest cross section of the body part is larger than a smallest cross section of the introducing part and a smallest cross section the forward end, wherein

an elongated aperture having a hexagonal shape extending in the terminal axis is formed at a center of the pressure retaining part, a portion of the introducing part, and a portion of the body part;

[[a]]said pressure retaining part configured to exert a first elastic force for holding the press-fit section-terminal, when the press-fit terminal is press-fitted into the through-hole; and

[[an]]said introducing part configured to exert a second elastic force having a second intensity lower than a first intensity of the first elastic force; and

an aperture extending in an axial direction of the press-fit section formed in the pressure retaining part and the introducing part, wherein a cross-sectional area of said introducing part is smaller than that of said pressure retaining part, when said press-fit terminal is being pressed into the through-hole.

3. - 5. (Canceled)

6. (Currently Amended) A press-fit terminal according to claim [[5]]1, wherein when [[an]] a region of said elongated aperture [[of]]corresponding to said introducing part is formed being extended-narrowed gradually in the axial direction toward an end portion said forward end part, the cross-sectional area of the introducing part is adjusted.

7. (Currently Amended) A press-fit terminal according to claim [[3]]1, wherein a region of said elongated aperture corresponding to the pressure retaining part is formed small, and a region of the aperture corresponding to said introducing part is formed large.

8. (Previously Presented) A press-fit terminal according to claim 7, wherein

the region of said aperture corresponding to the pressure retaining part is formed small so that a reduction in the elastic force of the pressure retaining part, which is caused when the cross-sectional area of said introducing part is decreased, can be made up.

9. (Cancelled)

10. (Original) A press-fit terminal according to claim 1, wherein said wiring board is composed of a laminated board on which a plurality of glass fiber sheets are multiply laminated, and printed wiring is provided on the surface.

11. (Currently Amended) A press-fit terminal according to claim 1, wherein said wiring board is made of a plurality of sheets consisting of fibers multiply laminated by resin, and has through-holes in thickness direction of the wiring board, each of the through-holes press-fitting a press-fit terminal, and an elastic material is contained in the resin for combining the sheets in a surface layer portion of the wiring board.

12. (Currently Amended) An electronic equipment according to claim 2, wherein said wiring board is made of a plurality of sheets consisting of fibers multiply laminated by resin, and has through-holes in thickness direction of the wiring board, each of the through-holes press-fitting a press-fit terminal, ~~having a through-hole into which a press-fit terminal is press-fitted so that it can be held, wherein~~ and an elastic material is contained in the resin for combining the sheets in a surface layer portion of the wiring board.

13. (Cancelled)

14. (Currently Amended) An electronic equipment according to claim ~~[[13]]~~12, wherein said elastic particulates are made of one of acrylic rubber, silicon rubber and nitride butadiene rubber or the elastic particulates are made of a combination in which a plurality of the rubber materials are combined with each other.

15. (Cancelled)

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16. (Previously Presented) An electronic equipment according to claim 12, wherein an inner circumferential face of said through-hole is made of metal, the hardness of which is higher than that of copper.